

FIG. 1A

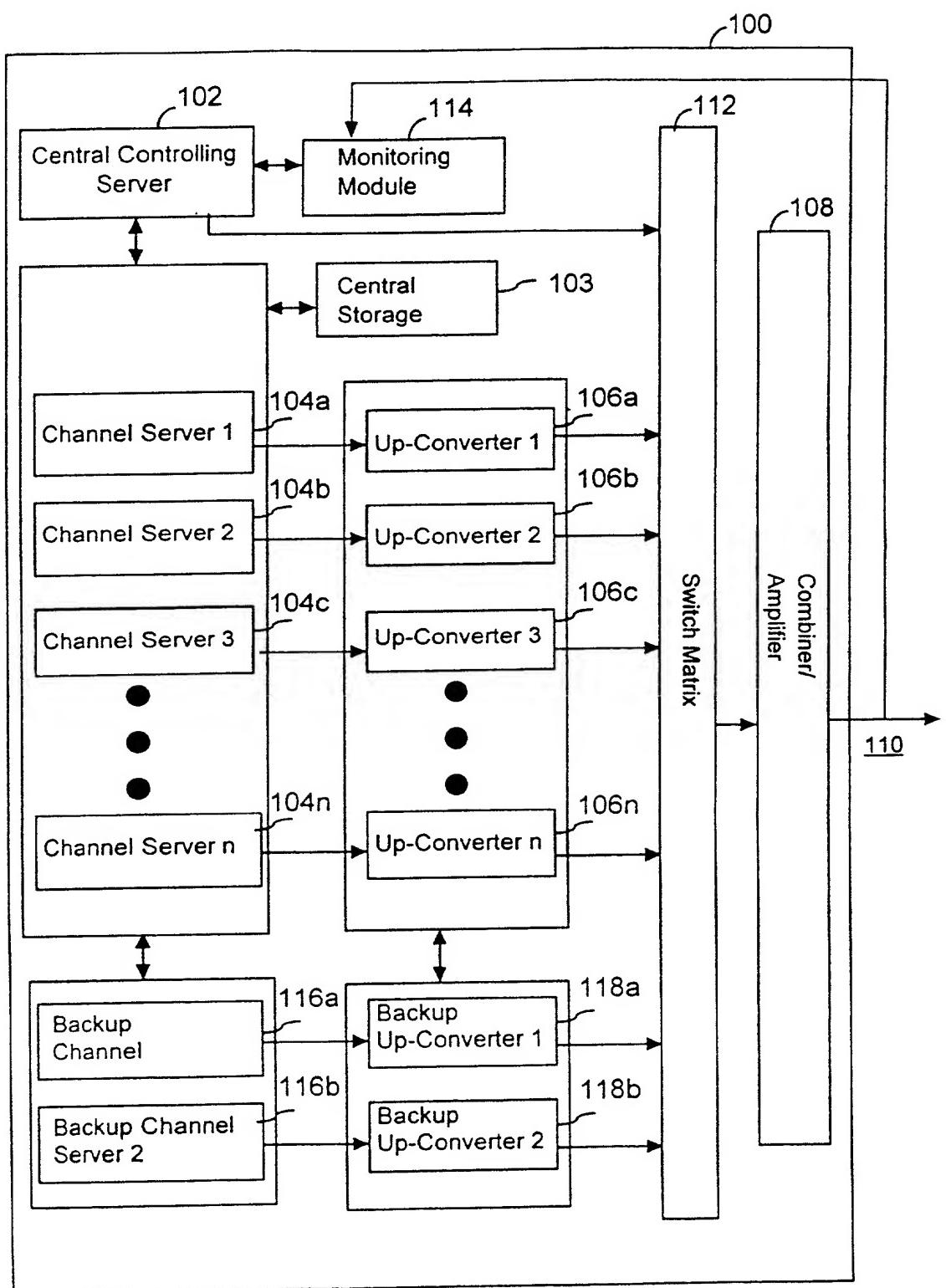


FIG. 1B

OPPENHEIMER WOLFF & DONNELLY LLP Telephone No.: (650) 320-4000
Title: DATA-ON-DEMAND DIGITAL BROADCAST
SYSTEM UTILIZING PREFETCH DATA
TRANSMISSION
Inventor(s): Khoi Hoang
Attorney Docket No.: 60595-300501
Application No.: 10/054,008 Sheet 3 of 11
Filing Date: 10/19/2001

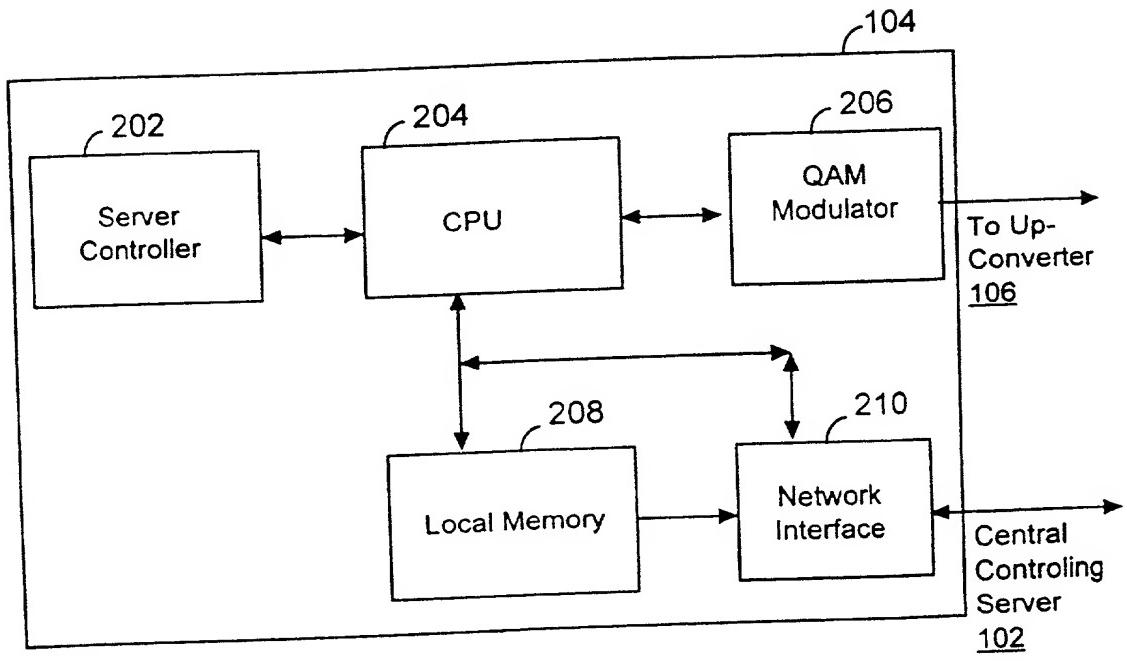


FIG. 2

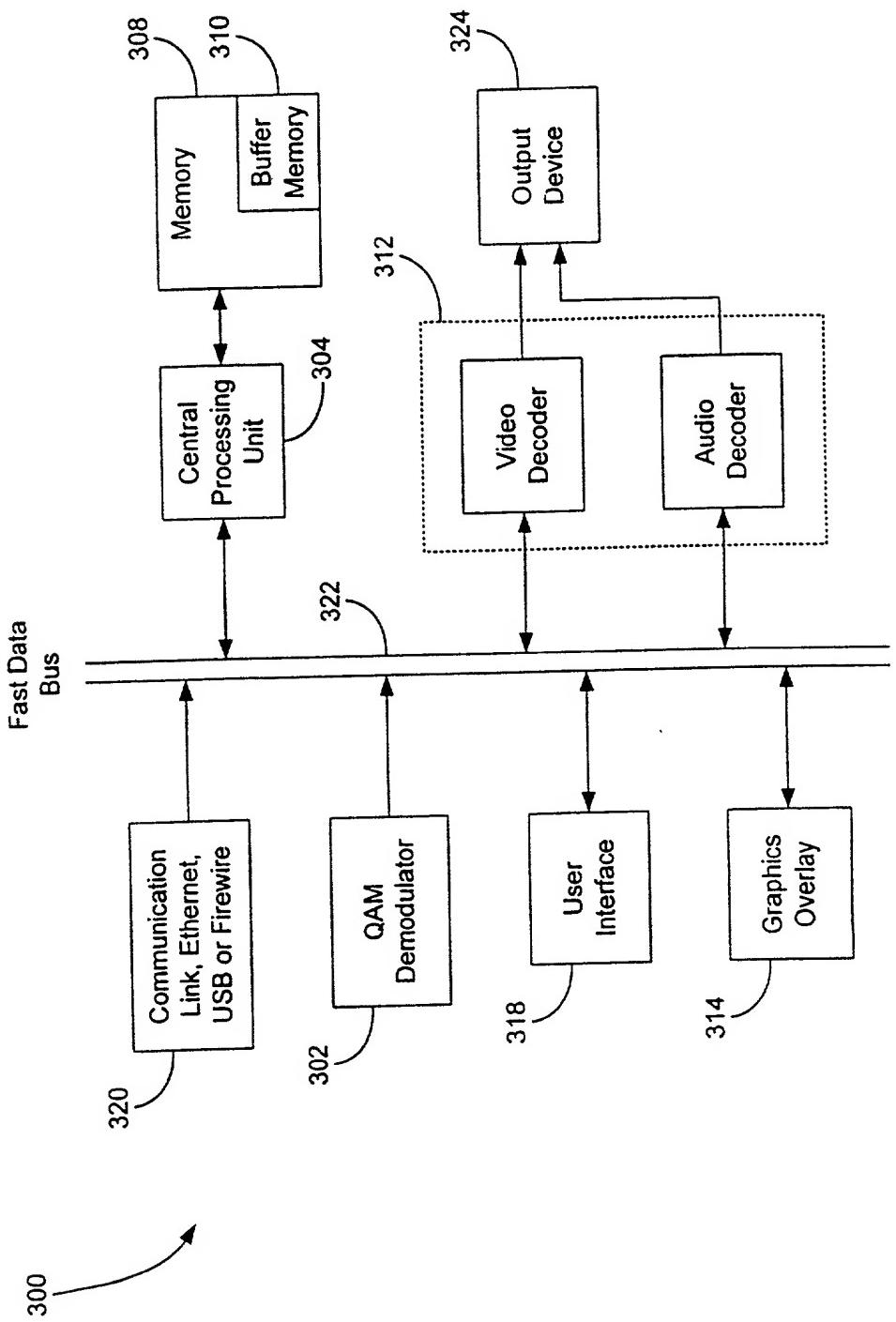


FIG. 3

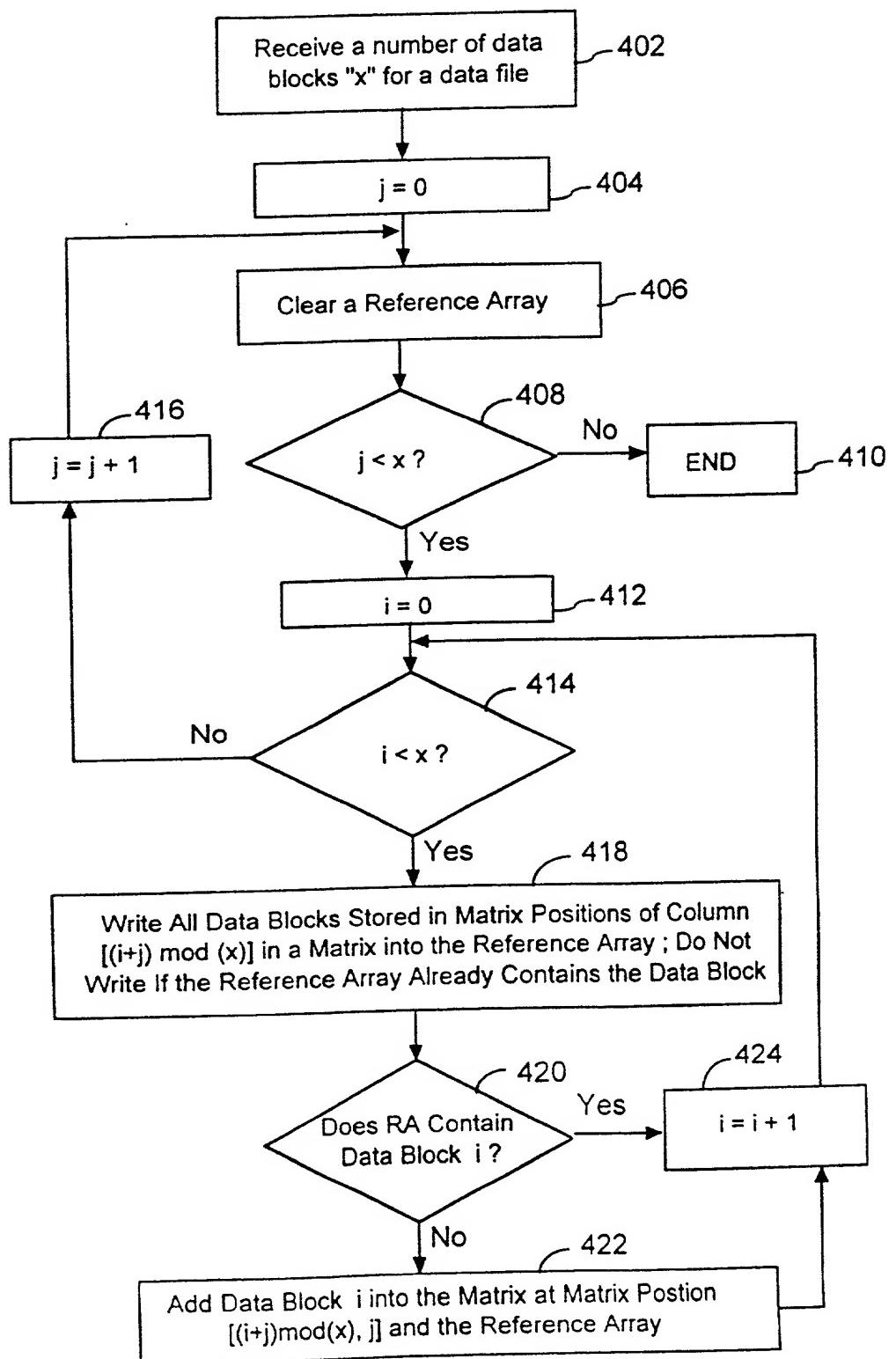


FIG. 4

Time Slot	Bandwidth			
TS0	blk0	<->	<->	<->
TS1	blk0	blk1	blk3	<->
TS2	blk0	blk2	<->	<->
TS3	blk0	blk1	blk3	blk4
TS4	blk0	blk4	<->	<->
TS5	blk0	blk1	blk2	blk5

FIG. 5
Scheduling Matrix

Time Slot	Bandwidth			
TS0	blk0	blk0	blk1	blk3
TS1	blk0	blk2	blk0	blk1
TS2	blk3	blk4	blk0	blk4
TS3	blk0	blk1	blk2	blk5
TS4				
TS5				

FIG. 6
Scheduling Matrix with Idle Bandwidth Filled

Time Slot	Bandwidth			
TS0	blk0	blk0	blk1	blk3
TS1	blk0	blk2	blk0	blk1
TS2	blk3	blk4	blk0	blk4
TS3	blk0	blk1	blk2	blk5

FIG. 7
New Reduced Idle Bandwidth Scheduling Matrix

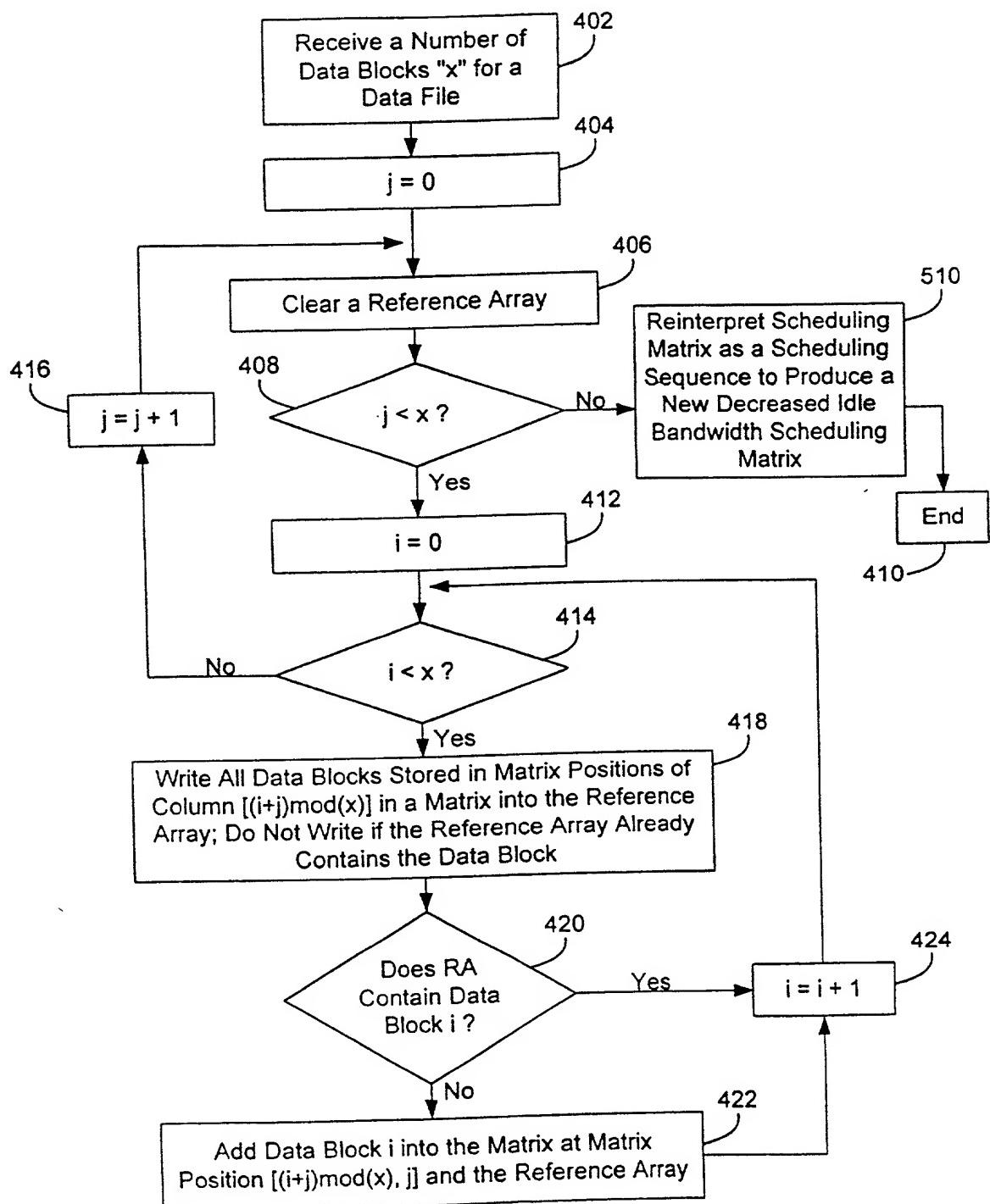


FIG. 8

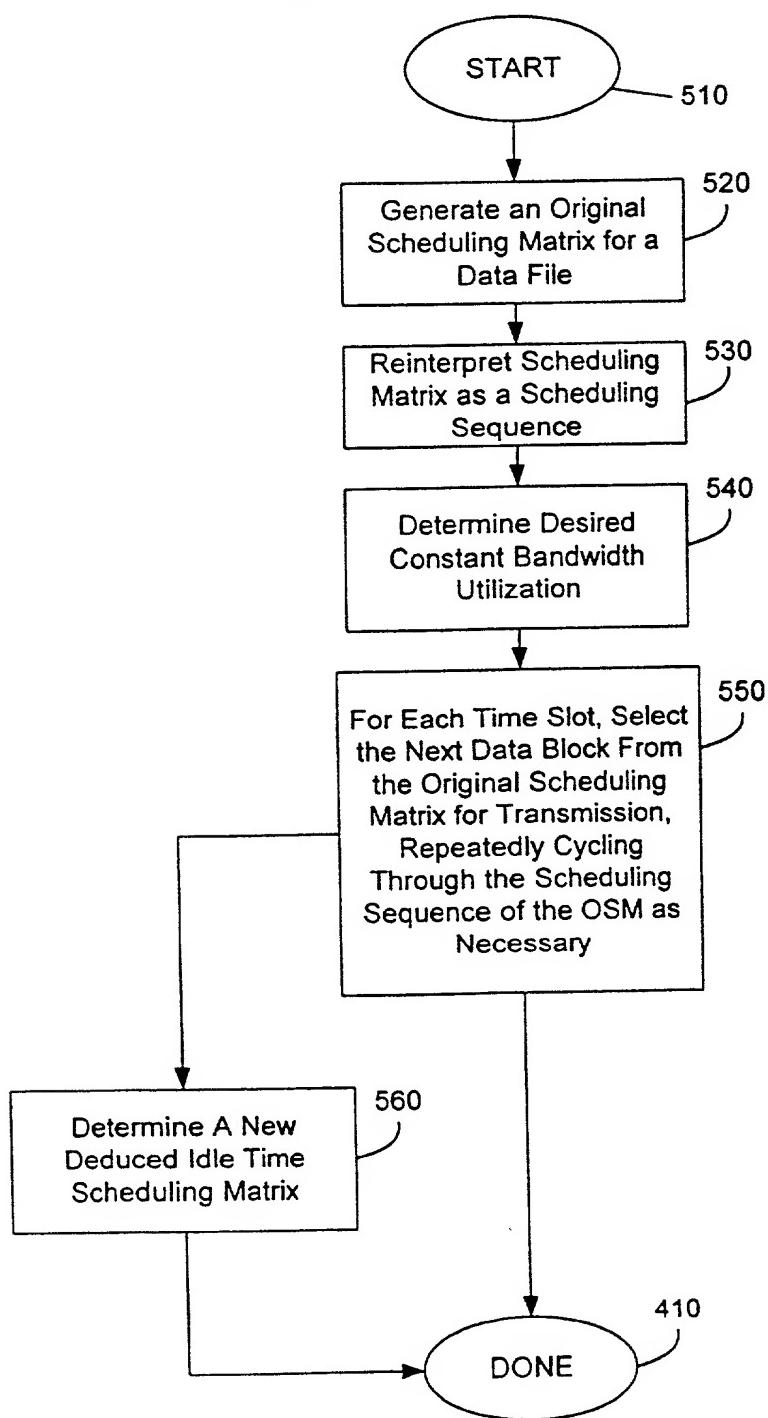


FIG. 9

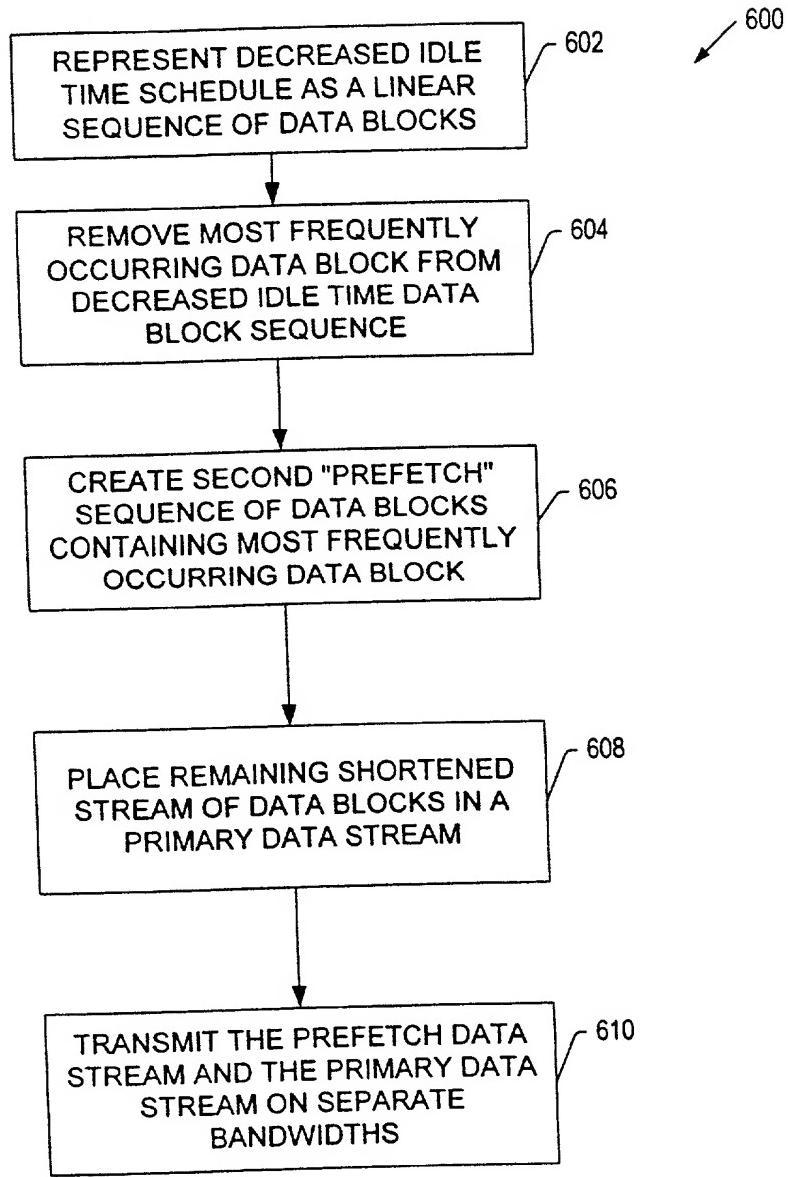


FIG. 10

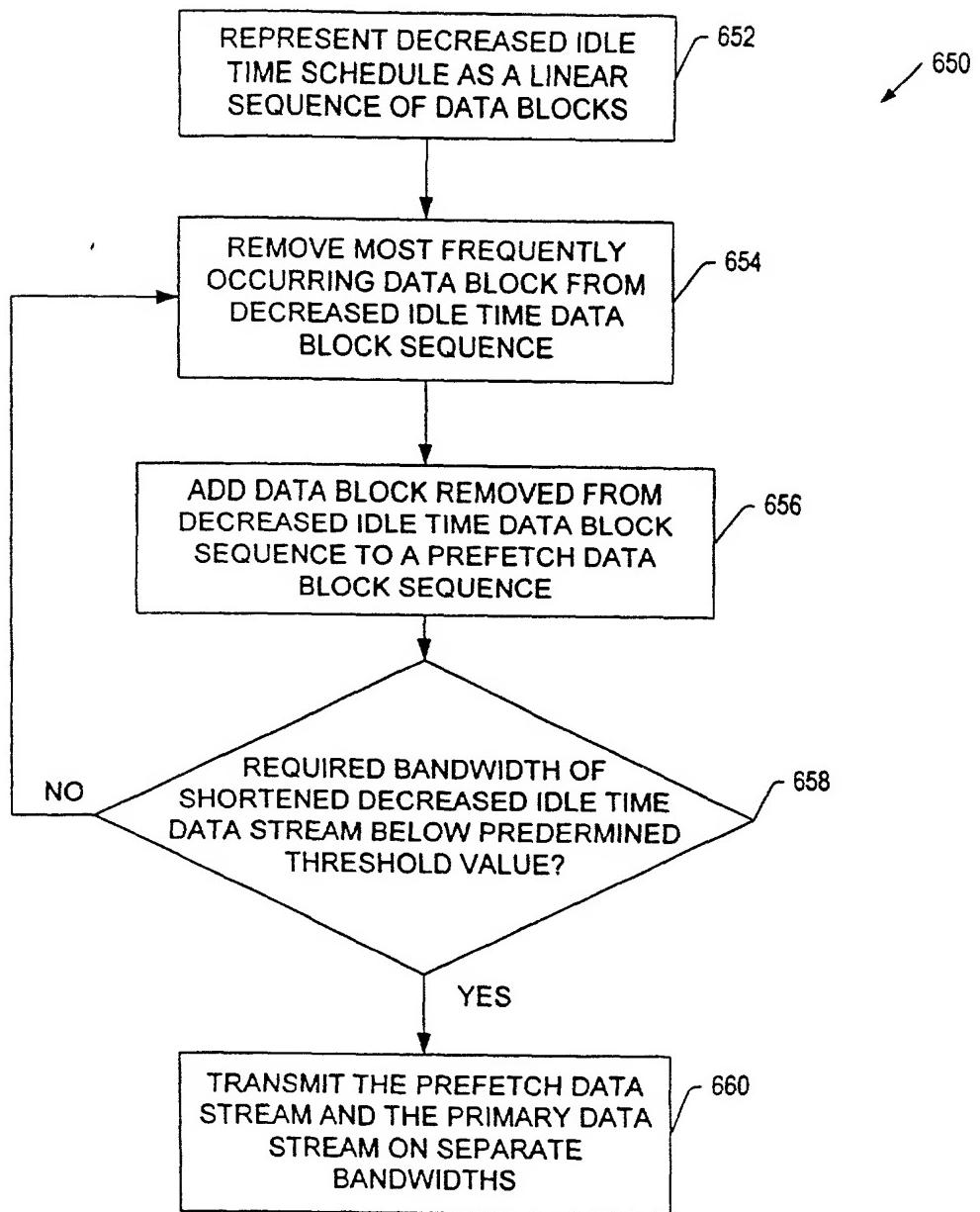


FIG. 11

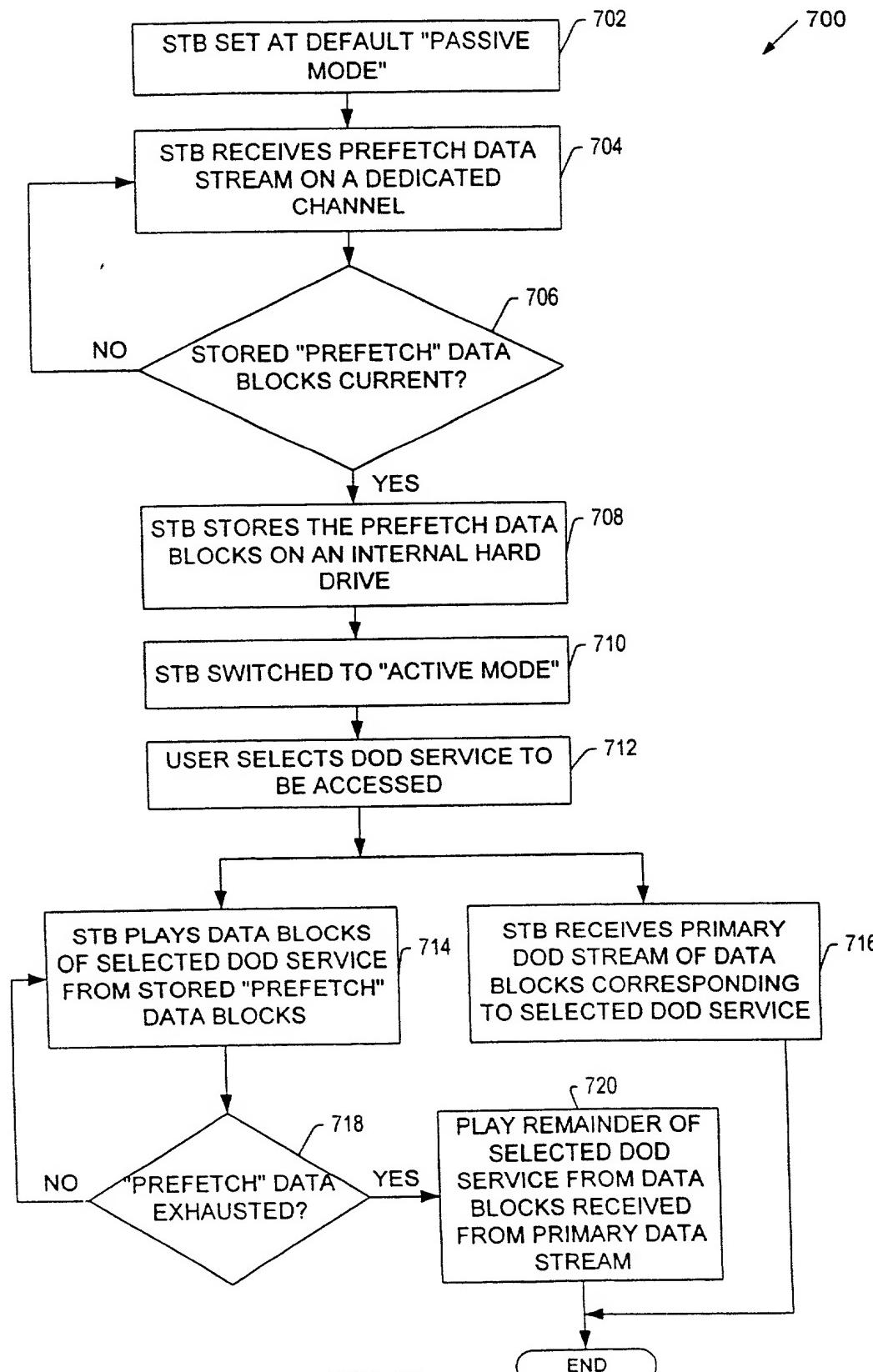


FIG. 12